



RESEARCH, DEVELOPMENT and TECHNOLOGY TRANSFER QUARTERLY PROGRESS REPORT (QPR)

Wisconsin Department of Transportation (WisDOT)
DT1241 5/2014

INSTRUCTIONS:

Research principal investigators and/or project managers should complete a quarterly progress report (QPR) for each calendar quarter during which the projects are active.

WisDOT Research Program Category <input type="checkbox"/> Policy Research <input checked="" type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Other: _____		Report Period (enter year and check which quarter) Year: <u>2014</u> <input type="checkbox"/> Quarter 1 (Jan 1 – Mar 31) <input type="checkbox"/> Quarter 3 (Jul 1 – Sep 30) <input checked="" type="checkbox"/> Quarter 2 (Apr 1 – Jun 30) <input type="checkbox"/> Quarter 4 (Oct 1 – Dec 31)	
Project Title Evaluation of Thin Polymer Deck Overlays and Deck Sealers		WisDOT Project ID 0092-12-06	
Principal Investigator Name Habib Tabatabai	Project Oversight Committee Chair Name Dave Bohnsack	Project Start Date (m/d/yyyy) 8/23/2011	
(Area Code) Telephone Number 414-229-5166	(Area Code) Telephone Number (608) 785-9781	Original End Date (m/d/yyyy) 8/22/2014	
Email Address ht@uwm.edu	Email Address David.Bohnsack@dot.wi.gov	Current End Date (m/d/yyyy) 2/28/2015	

Project Schedule Status (check one)

☐ On Schedule ☒ On Revised Schedule ☐ Ahead of Schedule ☐ Behind Schedule

Project Budget Status

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$166,992.00	\$4,928.00	\$140,046.00	83%	77%

Project Description

This project explores the waterproofing capabilities, durability, and additional benefits of utilizing thin polymer overlays on bridge decks in Wisconsin. In this research we will compare performance of thin polymer overlays with each other and with new and emerging technologies to determine the optimal bridge deck maintenance strategy to be employed by WisDOT.

Progress This Quarter (includes meetings, work plan status, contract status, significant progress, etc.)

Early in the first quarter of 2014, we experienced failure of cooling units on all three freeze-thaw drawers. Problems also surfaced on UV/heat drawers. We performed diagnostic evaluations and were able to fix the problem on two of the three freeze-thaw and UV/heat drawers. The units again failed after fixing. We identified the problem again and fixed two of the three drawers. This affected the anticipated progress of our work this quarter as we were not able to conduct those tests for an extended period, and that delayed the subsequent tests on the cycle. We are currently near completion of all first series Group A, B and C tests.

Anticipated Work Next Quarter

We plan to complete all exposure cycles for the specimens.

Circumstances Affecting Project or Budget

The problems described above affected the project progress. Therefore, we requested a no-cost time extension of 6 months, which was granted. With the changes and repairs made, we expect to have continuous operation in the upcoming quarter. We have identified the issues, have addressed them, and have replacement parts if further problems arise.

Attach / Insert Gantt Chart and Other Project Documentation

Year	2011				2012												2013												2014												15
Month	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0			
Task 1	9	0	1	2	1	2	3	4	5	6	7	8	9	0	1	2	1	2	3	4	5	6	7	8	9	0	1	2	1	2	3	4	5	6	7	8	9	0	1	2	
Task 2																																									
Task 3																																									
Task 4																																									
Task 5																																									

- Original Plan
- Revised – Panel meeting of 2/29/2012
- Work Performed

R Submittal of draft report
F Submittal of final report

(*enter text)

For WisDOT Use Only	
Staff Receiving QPR J. Walejko	Date Received (m/d/yyyy) 7/10/2014
Staff Approving QPR	Date Approved (m/d/yyyy)